

Service Manual

Communication Camera




Model No. **TY-CC20W**

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1 Specifications

Power Supply	DC 5 V (USB powered) 500 mA
Power Consumption	Max. 0.5 W
Dimensions (W × H × D)	7.09" (180 mm) × 1.86" (47 mm) × 1.11" (28 mm)
Weight (Mass)	Approx. 100 g (Approx. 0.22 lbs.) (Including USB cable)
Operating temperature Range	32 ° F- 104 ° F (0 ° C - 40 ° C)
Lens	F/2.0 4P Lens; FOV (D) 56.8 degree(in HD mode)
Microphone	4 unidirectional microphones
Sensor	1/4 inch CMOS sensor
Resolution	1,280 × 720
Focus	Fixed focus (Apprex.60 cm - ∞)
Output Image	Max. 1,280 × 720 (HD)
Output Format	H.264, YUV
Max. Frame Rate	30 fps
Interface	USB 2.0
Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.	

2 Troubleshooting Guide

2.1. How to diagnose the VIERA Communication Camera

You can carry out functional checks and diagnosis of the images (H.264) of the VIERA Communication camera (TY-CC20W) on a PC by using exclusive diagnosis software.

2.2. Preparation for diagnosis

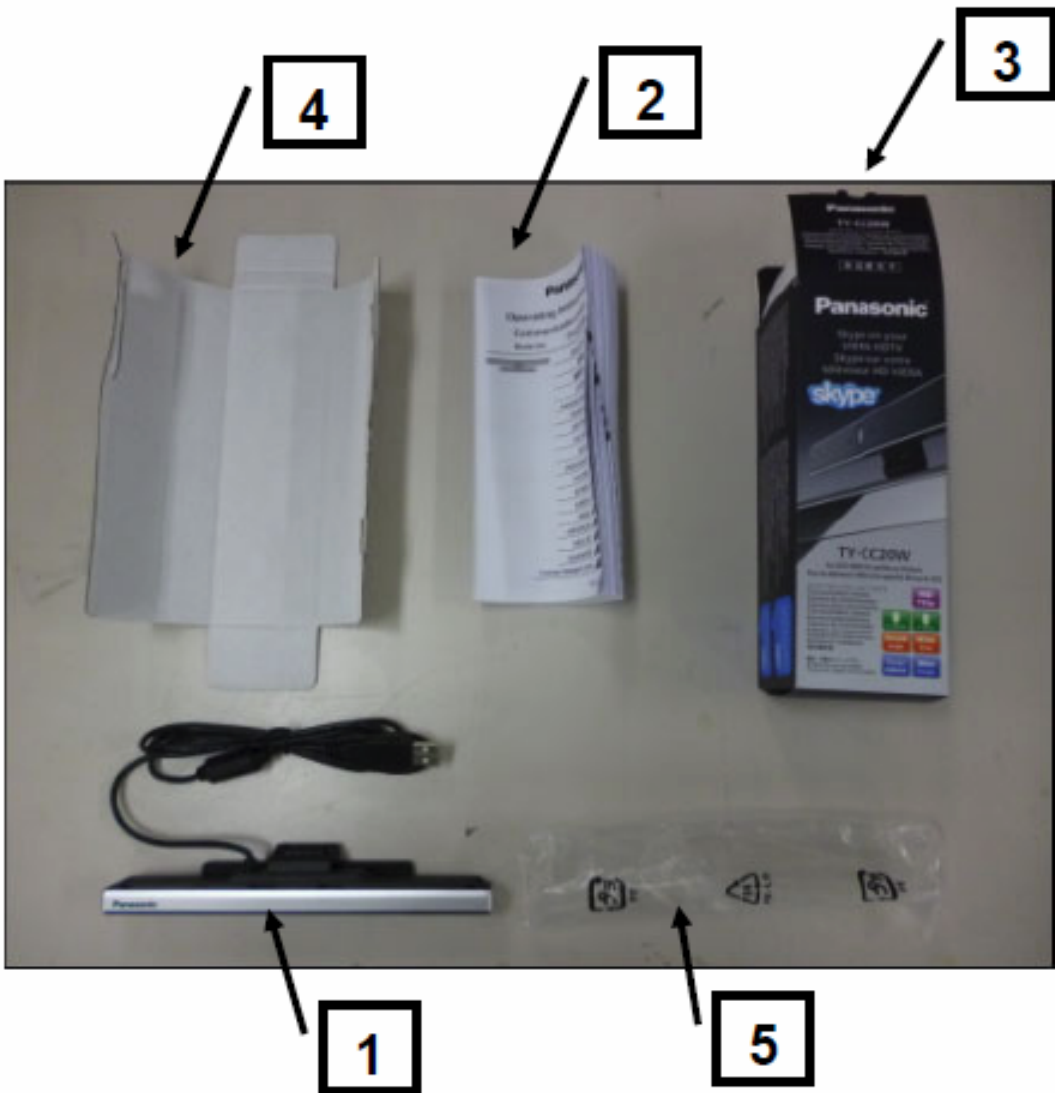
The following items are necessary for diagnosing the camera.

PC	[interface:USB 2.0]
	[OS:Windows XP / Vista / 7]
Diagnosis software *	[QTCam3 (QTCam3FullSetup_20110526.exe)]
Camera to be checked	[VIERA Communication Camera (TY-CC20W)]


*Download the Diagnosis Software and Document from [here](#).

3 Exploded View and Replacement Parts List

Please click the radio button for “Diagrams II / Parts List” on the menu bar.



Model No. : TY-CC20W Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	N5ZZ00000281	COMMUNICATION CAMERA UNIT	1	
	2	TQZJ402-1	OPERATION INSTRUCTION	1	
	3	TPCD01901A	CARTON BOX	1	
	4	TPDF27121	PARTITION (WHITE)	1	
	5	TQEF180	BAG (CAMERA UNIT)	1	